MIAMI-DADE COUNTY
BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 372-6339
www.maimidade.gov/buildingcode

NOTICE OF ACCEPTANCE (NOA)

Overhead Door Corporation
2501 S. State Highway 121, Suite 200
Lewisville, TX 75067

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "188/189" Steel Sectional Garage Door 16' wide.

APPROVAL DOCUMENT: Drawing No. **D-410128,** titled "Jamb Detail, Residential, Dade", sheet 1 of 1, dated 06/19/03 and Drawing No. **D-410130**, "Windload, 188, 60 psf, Post, 16'-0" Max, Dade", dated 07/07/03, sheets 1 through 3 of 3, both prepared by Overhead Door Corporation, signed and sealed by Leroy G. Krupke, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

LIMITATION: This approval requires the manufacturer to do testing of all coils used to fabricate door panel under this Notice of Acceptance. A minimum of 2 specimens shall be cut from each coil and tensile tested according to ASTM E-8 by a Miami-Dade County approved laboratory selected and paid by the manufacturer. Every 3 months, four times a year, the manufacturer shall mail to this office: a copy of the tested reports with confirmation that the specimens were selected from coils at the manufacturer production facilities, and a notarized statement from the manufacturer that only coils with yield strength of 52,000 psi or more shall be used to make panels for Miami Dade County under this Notice of Acceptance.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **renews NOA # 03-1006.03** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**

MIAMI-DADE COUNTY APPROVED

8/5/08

NOA No. 08-0320.04
Expiration Date: August 21, 2013
Approval Date: August 28, 2008

Overhead Door Corporation

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **D-410128,** titled "Jamb Detail, Residential, Dade", sheet 1 of 1, dated 06/19/03 and Drawing No. **D-410130**, "Windload, 188, 60 psf, Post, 16'-0" Max, Dade", dated 07/07/03, sheets 1 through 3 of 3, both prepared by Overhead Door Corporation, signed and sealed by Leroy G. Krupke, P.E.

B. TESTS

1. Test Report on Salt Spray Test per ASTM B117 of G30, G40 and G90 Coupons, prepared by Environmental Testing Laboratory, Inc., Report No. **D-8953**, dated 03/13/06 and signed by Brady Richard.

1. Test Report on Large Missile Impact Test per TAS 201 and Cyclic Wind Pressure Test per TAS 203 of 24 GA steel skin prepared by Construction Consulting Laboratory International Report No. **CCLI-03-153** dated 09/30/03, signed and sealed by A. H. Rezadad, P.E.
2. Test Report on Uniform Static Air Pressure Test per TAS 202 of 24 GA steel skin prepared by Construction Consulting Laboratory International, Report No. **CCLI-03-169**, dated 09/30/03, signed and sealed by A. H. Rezadad, PE.
3. Revision to Test Report No. **CCLI-03-169**, dated 03/19/04, signed and sealed by A. H. Rezadad, P.E.
4. Test Report on Salt Spray Test per ASTM B117 of G-40 and G-90 Chem. Treat Panels, prepared by Sherry Laboratories, Report No.**2003070093**, dated 07/09/03, and signed by J. L. Judt.
5. Tensile Test, Report No. **HETI 07-T772** on steel skin prepared by Hurricane Engineering & Testing Inc, dated 12/18/07, signed and sealed by Candido F. Font, P.E.

6. Test report on tensile test per ASTM E-8, prepared by Dallas Laboratories, Inc., dated 09/23/03, and signed by K. W. Jones.
   "Evidence submitted under NOA # 03-1006.03"

C. CALCULATIONS

1. Anchor verification calculations dated 05/16/08, prepared, signed and sealed by Leroy G. Krupke, P.E.

8/5/08

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 08-0320.04
Expiration Date: August 21, 2013
Approval Date: August 28, 2008

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. No change letter issued by Overhead Door Corporation, dated 03/14/08, signed by Mark Sawicki and LeRoy Krupke, P.E.

2. Letter of Code Compliance and No financial Interest prepared by Overhead Door Corporation on 09/30/03, signed and sealed by L. Krupke, P.E., and notarized by M. G. Betes.
   "Evidence submitted under NOA # 03-1006.03"

G. OTHER

1. Notice of Acceptance No. **03-1006.03**, issued to Overhead Door Corporation, approved on 04/29/04 and expiring on 08/21/08.

8/5/08

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 08-0320.04
Expiration Date: August 21, 2013
Approval Date: August 28, 2008

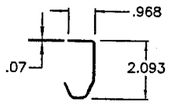
NOTES

1. DESIGNED AND TESTED IN ACCORDANCE WITH FLORIDA BUILDING CODE. 16'–0" MAX WIDTH x 8'–0" MAX HEIGHT – 60 PSF DESIGN WIND LOAD.
2. DOORS OVER 8'–0" HIGH ARE NOT AVAILABLE. POST DESIGNS AVAILABLE FOR THE FOLLOWING DOOR HEIGHTS: 6'–6", 6'–9", 7'–0", 7'–6", AND 8'–0". 4 SECTION DOOR INTERMEDIATE SECTIONS TO BE CONFIGURED THE SAME AS INTERMEDIATE SECTIONS SHOWN.
3. SECTION HEIGHTS OF 21.00", 19.00", & 16.75" ARE AVAILABLE AND MAY BE USED IN COMBINATION TO ACHIEVE VARIOUS HEIGHT DOORS, NOT EXCEEDING 8'–0" HIGH.
4. EMBOSSMENT PATTERN OF 14.5 X 20.4 SHOWN. ALTERNATE PATTERNS OF 12.5 X 20.4 AND 12.5 X 43.4 AVAILABLE. DOORS WITHOUT EMBOSSMENTS ALSO AVAILABLE.
5. TORSION SPRINGS SHOWN.
6. USE THIS BRACKET ON 8' HIGH DOORS ONLY.
7. WINDOWS ARE NOT AVAILABLE.
8. ATTACH STRUTS TO STILES WITH 2 SCREWS AT ALL CENTER/END STILES. IN ADDITION, ATTACH TOP SIDE OF TOP STRUT ON TOP SECTION WITH (1) SCREW BETWEEN EVERY EMBOSSMENT. STRUT PLACEMENT ON SECTIONS MAY VARY +/– 2 INCHES. TOP SECTION – DIRECTLY ABOVE TOP FIXTURES AND BOTTOM OF SECTION. INTERMEDIATE SECTIONS – TOP AND BOTTOM OF SECTION. BOTTOM SECTION – TOP AND BOTTOM OF SECTION.
9. JAMB DETAIL TO BE IN ACCORDANCE WITH DRAWING 410128. JAMB/SCAB BRACKET ATTACHING HARDWARE SHALL BE AS FOLLOWS: WOOD JAMB – LAG SCREW, 5/16 X 1–3/4, CONCRETE BLOCK – POWERS LOK BOLT, 5/16 X 1–1/2 EMBEDMENT.
10. POST BRACKETS TO BE INSTALLED CONCURRENTLY WITH CENTER HINGES. PLACE POST BRACKETS ON TOP OF CENTER HINGE, LINING UP ALL FOUR HOLES, AND FASTENING TO DOOR WITH FOUR SCREWS.
11. USE 4 SCREWS TO FASTEN BTM SECTION BTM STRUT TO EACH CENTER STILE W/POST.
12. ASTM A–653 & A–924 (CS TYPE B) 30k – 55k PSI YIELD PER 605755.
13. JAMB LOAD CALCULATIONS: (1/8 DOOR WIDTH)(1 FOOT OF HEIGHT)(DESIGN LOAD) (2 FT)(1FT)(60.0 PSF)=120 lb/FT OF HEIGHT.
14. JAMB FASTENER REQUIREMENT: F_X =(1/8 DOOR WIDTH)(2.52 FEET)(DESIGN LOAD) F_X =(2 FT)(2.10 FT)(60 PSF)=241.2 lbs
15. DOOR SKIN MATL SHALL BE GALVANIZED (0.024" THK) ACCORDING TO ASTM A–525 TO G90 OR AN EQUIVALENT SURFACE COATING APPROVED BY DADE COUNTY BLDG. CODE COMPLIANCE OFFICE.
16. TESTED IN ACCORDANCE WITH DADE COUNTY PROTOCOLS TAS 201, TAS 202, AND TAS 203. LARGE MISSILE IMPACT RESISTANT.
17. POST LOAD CALCULATIONS (MAX DOOR HEIGHT OF 8 FEET): (1/4 DOOR WIDTH)(8 FEET)(DESIGN LOAD) (4 FT)(8 FT)(60 PSF)=1920 lbs
18. POST HEADER BRACKET FASTENER REQUIREMENT: F =(POST LOAD)/(# OF REACTION POINTS)(# OF FASTENERS) F =(1920 lbs)/(2)(4 EA)= 240 lbs
19. REMOVABLE WINDLOAD POST INSTALLATION INSTRUCTION LABEL IS ATTACHED TO DOOR BACK SIDE.
20. THREE REMOVABLE WINDLOAD POSTS MUST BE ATTACHED AND FULLY ENGAGED WHEN HURRICANE WARNING IS ANNOUNCED.
21. APPLY PRODUCT APPROVAL LABEL, P/N 405740.
22. WHEN POST IS NOT IN USE DURING HIGH WIND EVENT IT IS TO BE STORED AND NOT USED FOR ANY OTHER PURPOSES.
23. THE CABLES USED TO ATTACH THE POST TO THE DOOR ARE COMPOSED OF A CORROSION–RESISTANT MATERIAL PER TAS 202, SECTION 5.1.1.

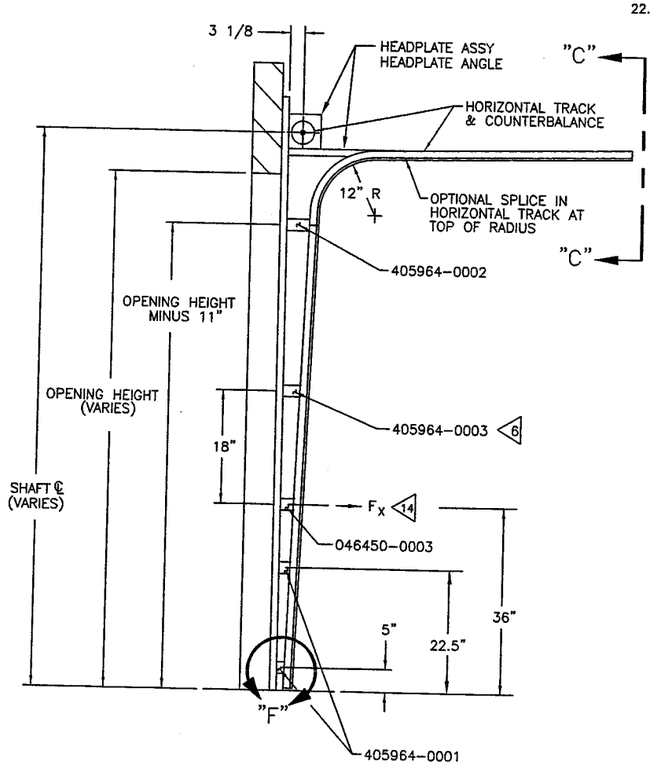
SHEET REVISION RECORD			
	3	2	1
	C	D	E

REVISIONS				
EN	REV	DESCRIPTION	DATE	APPROVAL
12323	C	REVISE PER EN	3/6/08	SFT
12370	D	REVISE PER EN	5/23/08	SFT
12398	E	REVISE PER EN	7/8/08	

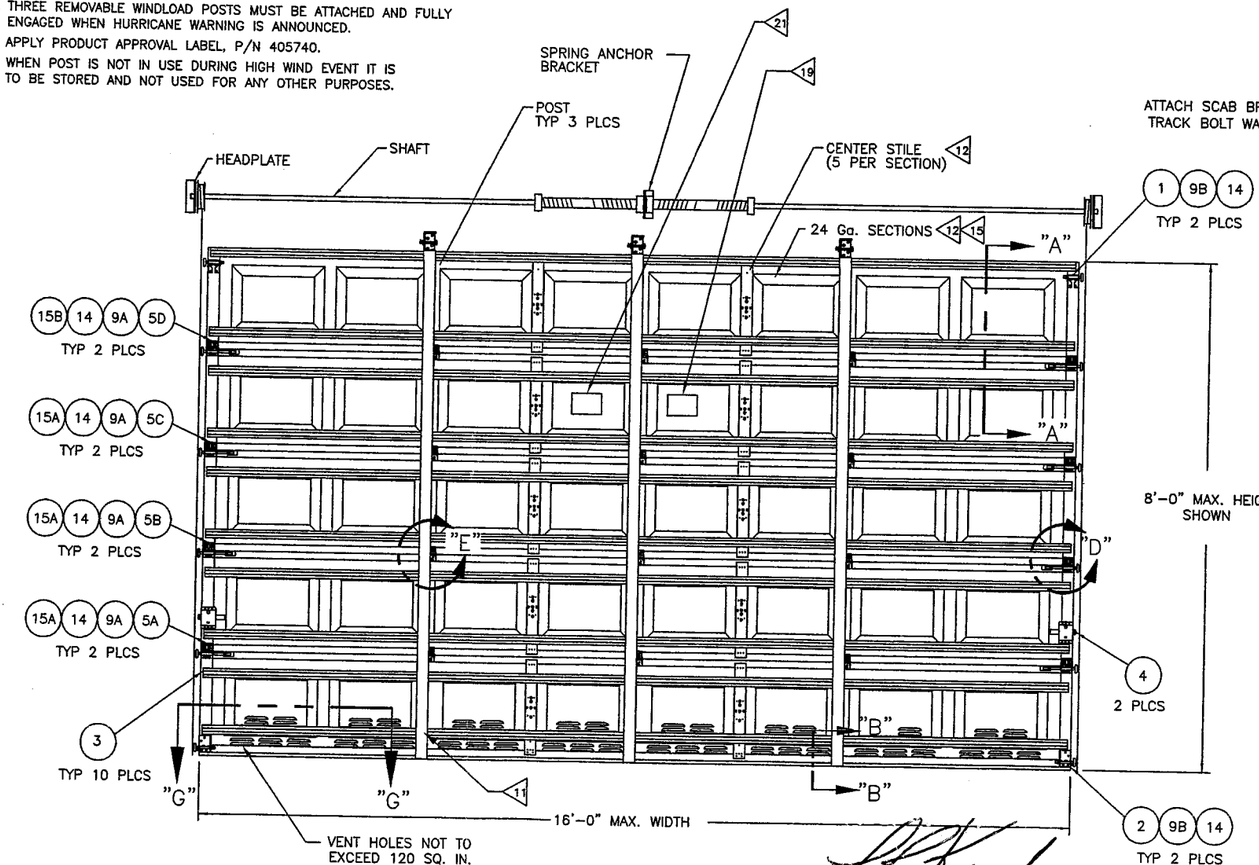
OHD/GENIE EQUIVALENCY CHART	
OHD DOOR SERIES No.	GENIE DOOR SERIES No.
SERIES 188	SERIES GDS300
SERIES 189	SERIES GDS30R



12 VIEW "C–C"
2" TRACK



STANDARD TRACK DETAIL



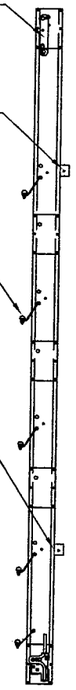
INTERIOR ELEVATION

HEADER LINK WITH CLEVIS PIN AND COTTER PINS ATTACHED TO THE POST.

MOUNT JAMB BRACKET ON WALL AS CLOSE TO THE DOOR AS POSSIBLE FOR POST STORAGE WITH SUPPLIED LAG SCREWS (POSTS MUST BE PERMANENTLY ATTACHED TO THEIR FINAL INSTALLATION POSTION BY A CORROSION–RESISTANT CABLE) (CABLES NOT SHOWN FOR CLARITY).

KEEP CABLE FASTENED TO POST WITH THUMBSCREW, AND NUT

ATTACH SCAB BRACKET TO POST WITH TRACK BOLT WASHER AND WING NUT.



POST STORAGE 22

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No 08-0320.04
Expiration Date 08/21/2013
By
Miami Dade Product Control Division

SERIES 180 THRU 189
ARE EQUIVALENT CONSTRUCTION

DESIGN PRESSURE (PSF)	MAX. DOOR WIDTH (FEET)	CENTER STILES/ SECTION	END STILE	ROLLER SHAFT BRACKET AT JOINT	STRUTS	ROLLER	VERTICAL TRACK GAGE	JAMB LOAD (LBS/FT OF HEIGHT AT DESIGN PRESSURE)	HARDWARE
60	16'–0"	5	SINGLE	YES	HS2	2" X 7/16" TR3	.068"	120	STD.

REF DWG	USED ON

THIRD ANGLE PROJECTION

ASME Y14.100 AND Y14.5 APPLY, UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN U.S. CUSTOMARY UNITS.

TOLERANCES UNLESS OTHERWISE SPECIFIED	
WHOLE NUMBERS:	± .25
.X	± .1
.XX	± .03
.XXX	± .010
ANGLES:	± .5°
HOLES:	±

FINISH: NONE
UNIT OF MEASURE: EACH
MATERIAL: N/A

OVERHEAD DOOR the original since 1921 DALLAS, TEXAS

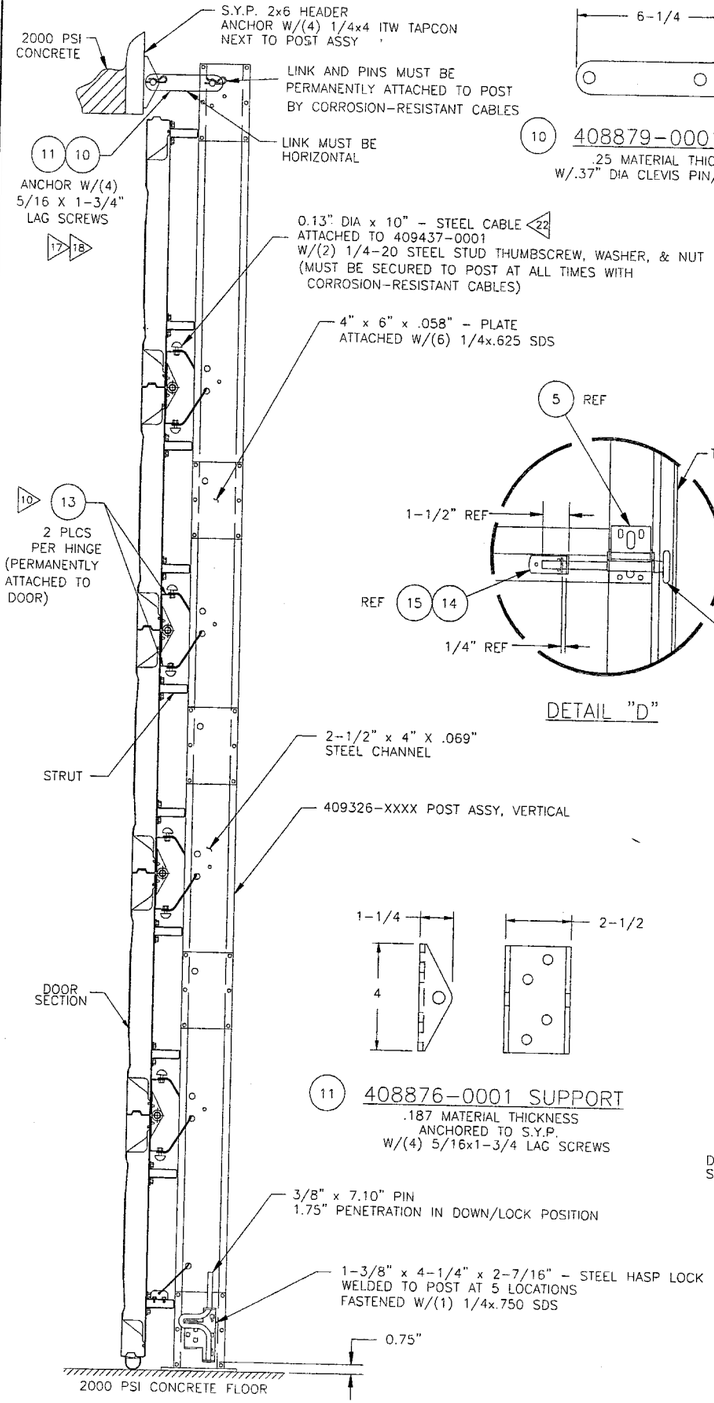
	NAME	DATE
DRAWN BY:	M. WOMACK	05/15/03
CHECKED BY:	G. FINERAN	07/07/03
APPROVED BY:	J.D. FAW	07/07/03

DRAWING TITLE: WINDLOAD, 188, 60 PSF, POST, 16'–0" MAX, DADE
DRAWING NUMBER: D– 410130
SCALE: 3/8 SHEET 1 OF 3

OVERHEAD DOOR CORPORATION
2501 SOUTH STATE HWY 121
BUSINESS, SUITE 200
LEWISVILLE, TX 75067
LEROY G. KRUPKE, P.E. #36580

7-31-08

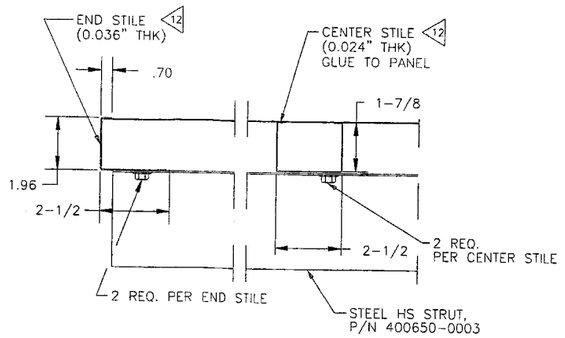
REVISIONS				
EN	REV	DESCRIPTION	DATE	APPROVAL
12314	B	REVISE PER EN	2/1/08	SFT
12323	C	REVISE PER EN	3/6/08	SFT
12398	D	REVISE PER EN	7/28/08	MS



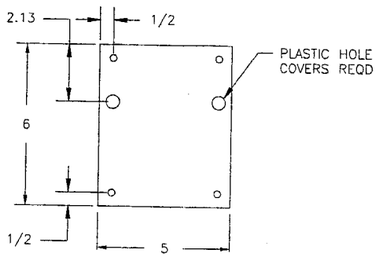
POST ELEVATION

10 408879-0001 LINK
.25 MATERIAL THICKNESS
W/.37" DIA CLEVIS PIN/COTTER PIN

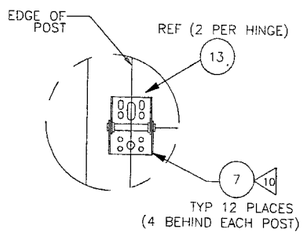
DETAIL "D"



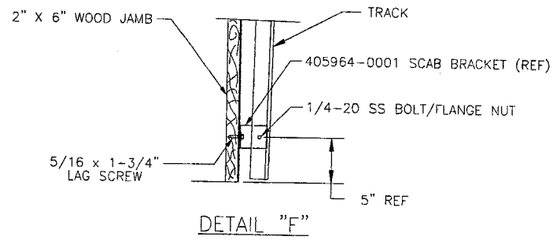
SECTION "G-G"



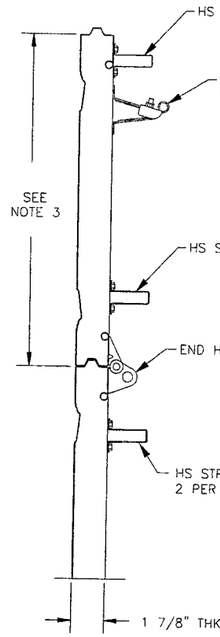
12 409331-0001 FLOOR PLATE
.057 MATERIAL THICKNESS
PERMANENTLY FASTENED TO FLOOR
W/(4) 1/4x2 ITW TAPCON (1-3/4" EMB)



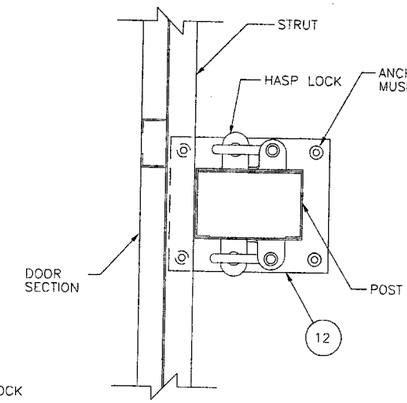
DETAIL "E"
EDGE OF POST CENTERED OVER CENTER HINGES



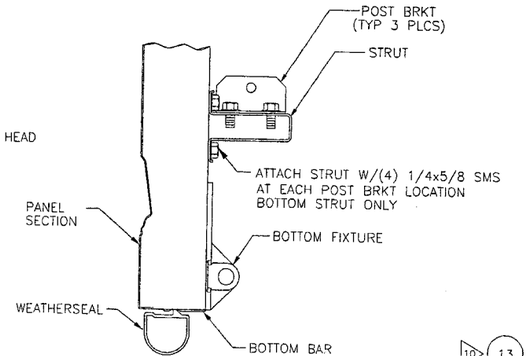
DETAIL "F"



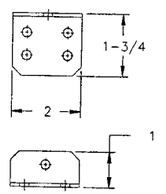
SECTION "A-A"
SECTION VIEW SHOWS DOOR SECTIONS W/O GLASS



FLOOR PLATE DETAIL



SECTION "B-B"
POST REMOVED FOR CLARITY



10 13 409437-0001 POST BRACKET
.099 MATERIAL THICKNESS
FASTENED TO STILE AND SKIN THRU 407603-0001 W/(4) 1/4x5/8 SMS

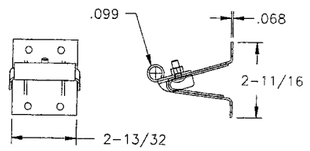
PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No 08-0320.04
Expiration Date 09/21/2013
By
Miami Dade Product Control Division

7-31-08

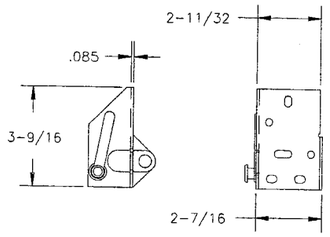
OVERHEAD DOOR CORPORATION
2501 SOUTH STATE HWY 121
BUSINESS, SUITE 200
LEWISVILLE, TX 75067
LEROY G. KRUPKE, P.E. #36580

		THIRD ANGLE PROJECTION	TOLERANCES UNLESS OTHERWISE SPECIFIED:	FINISH	OVERHEAD DOOR the original since 1921 DALLAS, TEXAS	NAME	DATE	DRAWING TITLE:	
			WHOLE NUMBERS: ± .25	NONE		DRAWN BY: M. WOMACK	05/15/03	WINDLOAD, 188, 60 PSF, POST, 16'-0" MAX, DADE	
		ASME Y14.100 AND Y14.5 APPLY, UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN U.S. CUSTOMARY UNITS.	.X ± .1 .XX ± .03 .XXX ± .010 ANGLES: ± .5° HOLES: ±	UNIT OF MEASURE EACH	MATERIAL: N/A	CHECKED BY: G. FINERAN	07/07/03	DRAWING NUMBER	D- 410130
REF DWG	USED ON					APPROVED BY: J.D. FAW	07/07/03	SCALE: NONE	SHEET 2 OF 3

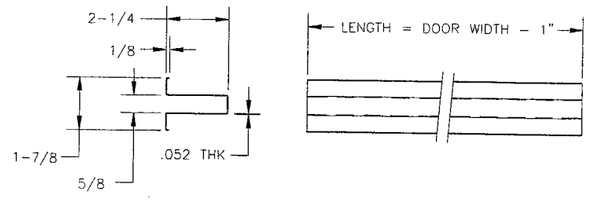
REVISIONS				
EN	REV	DESCRIPTION	DATE	APPROVAL
11483	A	REV PER EN	09/02/03	JDF
12314	B	REV PER EN	2/1/08	SFT
12323	C	REV PER EN	3/6/08	SFT



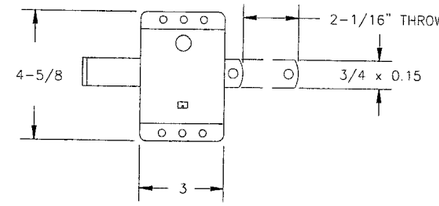
(1) 409808-0001 TOP FIXTURE
FASTENED TO END STILE W/(4) 1/4x5/8 SMS



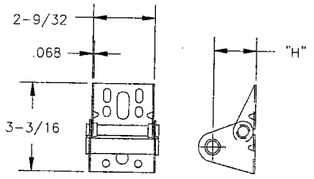
(2) 405771-0001 BOT. FIXTURE, LH
405771-0002 BOT. FIXTURE, RH
FASTENED TO END STILE W/(4) 1/4x5/8 SMS



(3) 400650-XXX2 ROLLED HS-2 STRUT
FASTENED TO CENTER/END STILES W/(2) 1/4x5/8 SMS

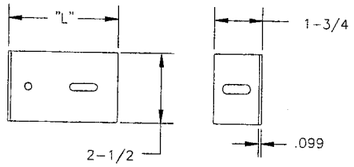


(4) 409334-0001 SLIDE LOCK ASSY
FASTENED TO END STILE W/(4) 1/4x5/8 SMS



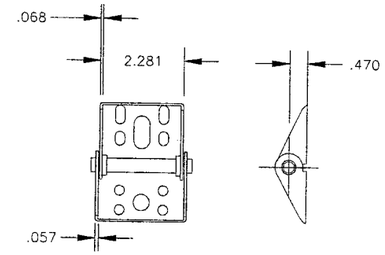
(5) 407605-000X END HINGE
FASTENED TO END STILE
W/(4) 1/4x5/8 SMS

5	PART NUMBER	"H"
A	407605-0002	.85
B	407605-0003	1.10
C	407605-0004	1.35
D	407605-0005	1.60

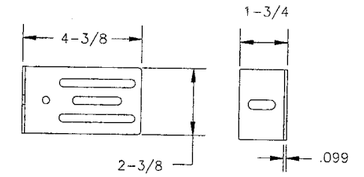


(6) 405964 & 046450 SCAB BRACKET
JOINED TO TRACK W/(1) 1/4-20 SS BOLT/FLANGE NUT

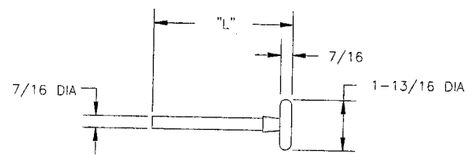
PART. NUMBER	"L"
405964-0001	3-1/4
046450-0003	4



(7) 407603-0001 CENTER HINGE
FASTENED TO STILE AND SKIN
W/(4) 1/4x5/8 SMS THRU 409437-0001

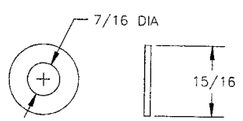


(8) 405964-0002 JOINT BRACKET
JOINED TO TRACK
W/(4) 1/4-20 SS BOLT/FLANGE NUT

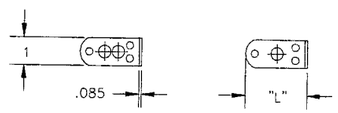


(9) 061166-000X ROLLER ASSY, TR3
LOCKED W/608624-0001 PUSH NUT

9	PART. NUMBER	"L"
A	061166-0001	7-9/16
B	061166-0002	5-1/8



(14) 608624-0001 PUSH NUT



(15A) 405742-0001 BRKT, ROLLER SHAFT
FASTENED TO DOOR W/(2) 1/4x5/8 SMS

(15B) 407305-0001 BRKT, ROLLER SHAFT
FASTENED TO DOOR W/(2) 1/4x5/8 SMS

PART. NUMBER	"L"
405742-0001	2-1/4
407305-0001	3-1/4

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No 08-0320.04
Expiration Date 08/21/2013
By _____
Miami Dade Product Control Division

7-31-08

OVERHEAD DOOR CORPORATION
2501 SOUTH STATE HWY 121
BUSINESS, SUITE 200
LEWISVILLE, TX 75067
LEROY G. KRUPKE, P.E. #36580

REF DWG	USED ON

THIRD ANGLE PROJECTION
ASME Y14.100 AND Y14.5 APPLY, UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN U.S. CUSTOMARY UNITS.

TOLERANCES UNLESS OTHERWISE SPECIFIED	
WHOLE NUMBERS:	± .25
.X	± .1
.XX	± .03
.XXX	± .010
ANGLES:	± .5°
HOLES:	±

FINISH: NONE
UNIT OF MEASURE: EACH
MATERIAL: N/A

OVERHEAD DOOR the original since 1921 DALLAS, TEXAS

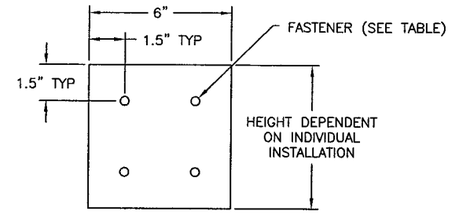
	NAME	DATE
DRAWN BY:	M. WOMACK	05/15/03
CHECKED BY:	G. FINERAN	07/07/03
APPROVED BY:	J.D. FAW	07/07/03

DRAWING TITLE: WINDLOAD, 188, 60 PSF, POST, 16'-0" MAX, DADE
DRAWING NUMBER: D- 410130
SCALE: NONE
SHEET 3 OF 3

NOTES

1. ALL LOADS FROM THE DOOR ARE TRANSFERRED TO THE VERTICAL JAMBS THROUGH THE TRACK (SPF STUD GRADE OR BETTER). NO LOAD FROM THE DOOR IS TRANSFERRED TO THE HORIZONTAL (TOP) JAMB WITH "STRUT ONLY" WINDLOAD DESIGNS.
2. EACH VERTICAL JAMB SEES A MAXIMUM DESIGN LOAD OF +2989 LB & −2989 LB.
3. ALL JAMB FASTENERS MAY BE (BUT NOT REQUIRED) COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
4. JAMB BRACKETS AND SCAB BRACKETS SHALL BE INSTALLED WITH 5/16" X 1−3/4" LAG SCREWS (ASTM A307, GRADE A) − ON SYP (S.G.=0.55). QUANTITY AND LOCATION ARE PRESENTED ON APPLICABLE WINDLOAD DOOR DRAWINGS.
5. SPRING ANCHOR BRACKETS SHALL BE INSTALLED WITH 5/16" X 2−1/2" LAG SCREWS (ASTM A307, GRADE A) ON SYP (S.G.=0.55). HEADER BRACKETS SHALL BE INSTALLED WITH 5/16" X 1−3/4" LAG SCREWS (ASTM A307, GRADE A) ON SYP (S.G.=0.55).

REVISIONS				
EN	REV	DESCRIPTION	DATE	APPROVAL
	A	REV PER EN 20771	9/26/05	LK
12314	B	REV PER EN	2/1/08	SFT
12323	C	REV PER EN	3/6/08	SFT



SPRING ANCHOR BRACKET PAD DETAIL

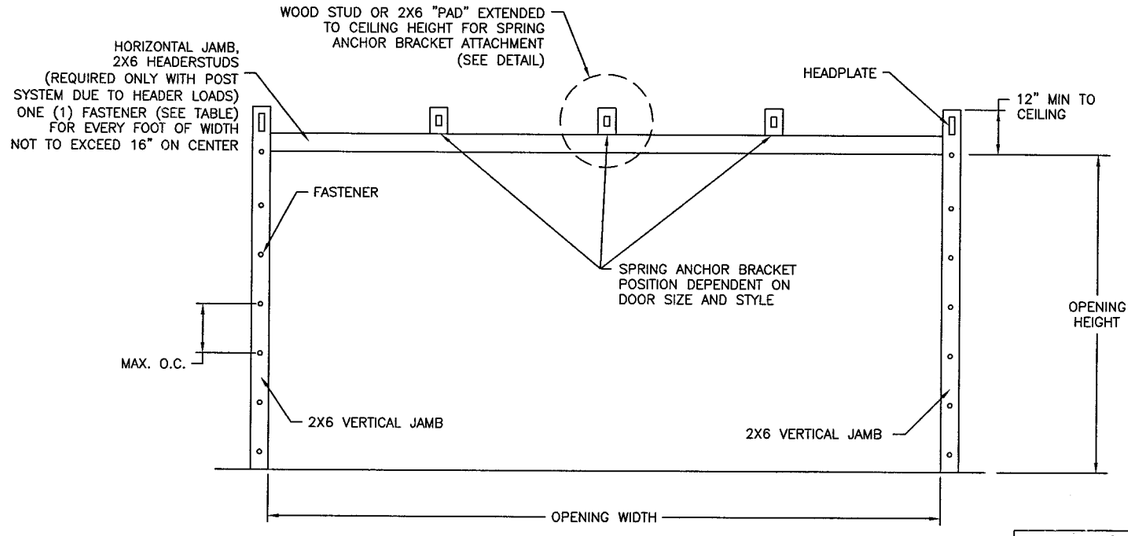
OPENING REQUIREMENTS

WOOD FRAME BUILDINGS

STUD WALLS OF DOOR OPENING SHALL BE FRAMED SOLID BY NOT LESS THAN 2 FULL LENGTH STUDS AND 2 HEADERSTUDS USING SPF STUD GRADE OR BETTER WOOD.
STUD WALLS TO BE CONTINUOUS FROM FOOTING TO TIE BEAMS AND IN ACCORDANCE WITH FBC CHAPTER 23.
INSTALLATION IN ACCORDANCE WITH DWG 409783 IS AN ACCEPTABLE ALTERNATIVE.

BLOCK WALL OR CONCRETE

2X6 MIN. WOOD JAMB AND 2x6 MIN. WOOD HEADERSTUD SHALL BE ANCHORED TO GROUT REINFORCED BLOCK WALL OR CONCRETE COLUMN. BLOCK WALL CELLS SHALL BE FILLED WITH CONCRETE AND REINFORCED WITH #5 BAR EXTENDING INTO THE FOOTING AND INTO THE BEAMS. (STRENGTH IS ASSUMED TO BE 2500 PSI). ALL BARS SHALL BE CONTINUOUS FROM THE TIE BEAMS TO THE FOOTING FOR BLOCK WALL OR CONCRETE COLUMN. BLOCK WALLS AND CONCRETE COLUMNS TO BE DESIGNED BY A BUILDING PROFESSIONAL OF RECORD AND IN ACCORDANCE WITH FBC CHAPTER 21.



JAMB REQUIREMENTS

2X6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT

(NOT TO BE USED FOR ATTACHMENT OF TRACK BRACKETS TO 2X6 VERTICAL JAMBS OR SUPPORTING STRUCTURE)

BUILDING TYPE	FASTENER TYPE	MIN. NO. OF FASTENERS PER VERTICAL JAMB		MAXIMUM ON CENTER DISTANCE BETWEEN FASTENERS	STEEL WASHERS REQUIRED?	USE FOR SPRING ANCHOR BRACKET OR POST PAD?
		7' HIGH	8' HIGH			
WOOD FRAME (SPF)	5/16" X 3" LAG SCREW (ASTM A307, GRADE A), 1−5/8" MIN. EMBED.	10	12	12"	YES	YES
C−90 BLOCK (2,500 PSI GROUT)	3/8" X 4" POWERS LOK BOLT ANCHOR BOLT, 1−5/8" MIN. EMBED.*	7	8	16"	NO	YES
CONCRETE COLUMN (2,500 PSI)	3/8" X 4" POWERS LOK BOLT ANCHOR BOLT, 1−5/8" MIN. EMBED.*	7	8	16"	NO	YES
2000 PSI CONCRETE	1/4" J−BOLT	12	14	12"	YES	YES
2000 PSI CONCRETE	5/16" J−BOLT	10	12	12"	YES	YES
2000 PSI CONCRETE	5/8" J−BOLT	7	8	16"	YES	YES

* − TAPCONS/ANCHOR BOLTS CAN BE INSTALLED DIRECTLY THROUGH TRACK BRACKETS/ANGLE IN LIEU OF 5/16" X 1−5/8" LAG SCREWS. POWERS LOK BOLT SHALL BE TORQUED AS SPECIFIED BY THE RAWL DRILLING AND ANCHORING SYSTEMS DESIGN MANUAL.

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No 08-0320.04
Expiration Date 08/21/2013
By Miami Dade Product Control Division

LG Krupke
6-6-08

OVERHEAD DOOR CORPORATION
2501 SOUTH STATE HWY 121
BUSINESS, SUITE 200
LEWISVILLE, TX 75067
LEROY G. KRUPKE, P.E. #36580

REF DWG | USED ON

THIRD ANGLE PROJECTION

ASME Y14.100 AND Y14.5 APPLY, UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN U.S. CUSTOMARY UNITS.

TOLERANCES UNLESS OTHERWISE SPECIFIED

HOLE DIAMETER	WHOLE NUMBERS:	± .25
UNDER .251 +.004/−.003	.X	± .1
.251 TO .500 +.006/−.003	.XX	± .03
OVER .500 +.008/−.003	.XXX	± .010
FRACTIONS	ANGLES:	± .5°
± 1/16		

FINISH: N/A
UNIT OF MEASURE: N/A
MATERIAL: N/A

OVERHEAD DOOR the original since 1921 DALLAS, TEXAS

	NAME	DATE
DRAWN BY:	M. WOMACK	05/14/03
CHECKED BY:	G FINERAN	6/19/03
APPROVED BY:	JD FAW	6/19/03

DRAWING TITLE: JAMB DETAIL, RESIDENTIAL, DADE
DRAWING NUMBER: D− 410128
SCALE: NONE | SHEET 1 OF 1